

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/570,554  
Source: IFWP  
Date Processed by STIC: 3/15/06

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IFWP

## RAW SEQUENCE LISTING

DATE: 03/15/2006

PATENT APPLICATION: US/10/570,554

TIME: 12:18:40

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1 <110> APPLICANT: Broekaert, Willem
2   Frankard, Valerie
3   Hatzfeld, Yves
4   Mironov, Vladimir
5 <120> TITLE OF INVENTION: Plants having modified growth characteristics and method for
6   making the same
7 <130> FILE REFERENCE: 1187-44
8 <140> CURRENT APPLICATION NUMBER: US/10/570,554
9 <141> CURRENT FILING DATE: 2006-03-03
10 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/052035
11 <151> PRIOR FILING DATE: 2004-09-03
12 <150> PRIOR APPLICATION NUMBER: EP 03077811.2
13 <151> PRIOR FILING DATE: 2003-09-05
14 <160> NUMBER OF SEQ ID NOS: 21
15 <170> SOFTWARE: PatentIn version 3.3
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 930
19 <212> TYPE: DNA
20 <213> ORGANISM: Arabidopsis thaliana
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24   gaagaaggta ttccaccaac tgctcttcgt gagatctcgc ttctccagat gttatcaaca      180
25   tcgatctatg ttgttcgatt actctgcgtc gaacatgttc atcaaccatc aaccaaattct      240
26   caatctacca aatccaattct ctatctcgtt ttcgagtatc tcgatactga tcttaagaaa      300
27   ttcatcgatt cgtataggaa aggacctaat cctaagcctc ttgagccttt tttgattcag      360
28   aagttgatgt ttcagctttg taaaggtggt gcgcattgtc atagtcattg tgtgcttcac      420
29   cgtgatctta aaccgcagaa tcttcttctg gtgaaagata aagagcttct taagattgct      480
30   gatttggtgc ttggtcgtgc ttttactggt cctcttaagt cttatacgca tgagattggt      540
31   actctttggt atagagctcc tgaagttctt cttggatcta ctcattattc aactggtggt      600
32   gacatgtggt ctggttggtg tatctttgct gagatgggtc ggaggcaagc tcttttcctt      660
33   ggtgattctg agtttcagca attgcttcat atcttcaggt tgctaggaac accaactgag      720
34   cagcaatggc cgggtgtttc cacactgcgt gactggcatg tttaccctaa gtgggagccg      780
35   caagacttaa ctcttgctgt tccttctctt tcacctcaag gagttgatct tctcacgaaa      840
36   atgctcaagt acaatccagc cgaaagaatt tcagcaaaaa cagcacttga tcacccatat      900
37   tttgacagcc ttgacaagtc tcagttctga                                     930
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40 <211> LENGTH: 309
41 <212> TYPE: PRT
42 <213> ORGANISM: Arabidopsis thaliana
43 <400> SEQUENCE: 2
44   Met Glu Lys Tyr Glu Lys Leu Glu Lys Val Gly Glu Gly Thr Tyr Gly
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46  Lys Val Tyr Lys Ala Met Glu Lys Gly Thr Gly Lys Leu Val Ala Leu
47          20          25          30
48  Lys Lys Thr Arg Leu Glu Met Asp Glu Glu Gly Ile Pro Thr Ala
49          35          40          45
50  Leu Arg Glu Ile Ser Leu Leu Gln Met Leu Ser Thr Ser Ile Tyr Val
51          50          55          60
52  Val Arg Leu Leu Cys Val Glu His Val His Gln Pro Ser Thr Lys Ser
53          65          70          75          80
54  Gln Ser Thr Lys Ser Asn Leu Tyr Leu Val Phe Glu Tyr Leu Asp Thr
55          85          90          95
56  Asp Leu Lys Lys Phe Ile Asp Ser Tyr Arg Lys Gly Pro Asn Pro Lys
57          100         105         110
58  Pro Leu Glu Pro Phe Leu Ile Gln Lys Leu Met Phe Gln Leu Cys Lys
59          115         120         125
60  Gly Val Ala His Cys His Ser His Gly Val Leu His Arg Asp Leu Lys
61          130         135         140
62  Pro Gln Asn Leu Leu Leu Val Lys Asp Lys Glu Leu Leu Lys Ile Ala
63          145         150         155         160
64  Asp Leu Gly Leu Gly Arg Ala Phe Thr Val Pro Leu Lys Ser Tyr Thr
65          165         170         175
66  His Glu Ile Val Thr Leu Trp Tyr Arg Ala Pro Glu Val Leu Leu Gly
67          180         185         190
68  Ser Thr His Tyr Ser Thr Gly Val Asp Met Trp Ser Val Gly Cys Ile
69          195         200         205
70  Phe Ala Glu Met Val Arg Arg Gln Ala Leu Phe Pro Gly Asp Ser Glu
71          210         215         220
72  Phe Gln Gln Leu Leu His Ile Phe Arg Leu Leu Gly Thr Pro Thr Glu
73          225         230         235         240
74  Gln Gln Trp Pro Gly Val Ser Thr Leu Arg Asp Trp His Val Tyr Pro
75          245         250         255
76  Lys Trp Glu Pro Gln Asp Leu Thr Leu Ala Val Pro Ser Leu Ser Pro
77          260         265         270
78  Gln Gly Val Asp Leu Leu Thr Lys Met Leu Lys Tyr Asn Pro Ala Glu
79          275         280         285
80  Arg Ile Ser Ala Lys Thr Ala Leu Asp His Pro Tyr Phe Asp Ser Leu
81          290         295         300
82  Asp Lys Ser Gln Phe
83          305
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86 <211> LENGTH: 936
87 <212> TYPE: DNA
88 <213> ORGANISM: Arabidopsis thaliana
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92  gaagaaggta taccaccaac ggctctccgt gagatctctc ttctccaaat gctttctcaa      180
93  tcaatctaca tcgttcgtct cctctgcgtc gaacatgtta ttcaatcgaa agattcgact      240
94  gtttctcact ctcccaaata caatctctat ctcgtttttg agtatctcga cactgatctc      300
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97  cttcaccgtg atcttaaacc gcagaatctt ctattggata aggataaagg gattcttaag 480
98  attgctgatt tgggtcttag tcgtgctttt actgtgcctc ttaaggctta tacacatgag 540
99  attgttactc ttgtgtatag agctcctgaa gttttgcttg gttctactca ttactctact 600
100 gctgttgata tttgggtctgt tggatgcata tttgccgaga tgattaggag gcaagctctt 660
101  ttccctgggtg attctgagtt tcagcaacta cttcatattt tcagattgtt aggaacacca 720
102  actgagcagc aatggccggg tgtaatggca ttgcgtgact ggcattgtcta tccaaagtgg 780
103  gagccgcaag acttatcacg tgctgttcca tctctatctc ctgaaggaat tgatcttctc 840
104  acgcaaagt tgaagtacaa tccagcagaa agaatttcag caaaagcagc tctcgatcat 900
105  ccctactttg acagccttga caaatctcag ttctga 936
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108 <211> LENGTH: 311
109 <212> TYPE: PRT
110 <213> ORGANISM: Arabidopsis thaliana
111 <400> SEQUENCE: 4
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113    1          5          10          15
114  Lys Val Tyr Lys Ala Met Glu Lys Thr Thr Gly Lys Leu Val Ala Leu
115          20          25          30
116  Lys Lys Thr Arg Leu Glu Met Asp Glu Glu Gly Ile Pro Pro Thr Ala
117    35          40          45
118  Leu Arg Glu Ile Ser Leu Leu Gln Met Leu Ser Gln Ser Ile Tyr Ile
119    50          55          60
120  Val Arg Leu Leu Cys Val Glu His Val Ile Gln Ser Lys Asp Ser Thr
121    65          70          75          80
122  Val Ser His Ser Pro Lys Ser Asn Leu Tyr Leu Val Phe Glu Tyr Leu
123          85          90          95
124  Asp Thr Asp Leu Lys Lys Phe Ile Asp Ser His Arg Lys Gly Ser Asn
125          100         105         110
126  Pro Arg Pro Leu Glu Ala Ser Leu Val Gln Arg Phe Met Phe Gln Leu
127          115         120         125
128  Phe Lys Gly Val Ala His Cys His Ser His Gly Val Leu His Arg Asp
129          130         135         140
130  Leu Lys Pro Gln Asn Leu Leu Asp Lys Asp Lys Gly Ile Leu Lys
131    145         150         155         160
132  Ile Ala Asp Leu Gly Leu Ser Arg Ala Phe Thr Val Pro Leu Lys Ala
133          165         170         175
134  Tyr Thr His Glu Ile Val Thr Leu Trp Tyr Arg Ala Pro Glu Val Leu
135          180         185         190
136  Leu Gly Ser Thr His Tyr Ser Thr Ala Val Asp Ile Trp Ser Val Gly
137          195         200         205
138  Cys Ile Phe Ala Glu Met Ile Arg Arg Gln Ala Leu Phe Pro Gly Asp
139          210         215         220
140  Ser Glu Phe Gln Gln Leu Leu His Ile Phe Arg Leu Leu Gly Thr Pro
141    225         230         235         240
142  Thr Glu Gln Gln Trp Pro Gly Val Met Ala Leu Arg Asp Trp His Val
143          245         250         255
144  Tyr Pro Lys Trp Glu Pro Gln Asp Leu Ser Arg Ala Val Pro Ser Leu
145          260         265         270

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146      Ser Pro Glu Gly Ile Asp Leu Leu Thr Gln Met Leu Lys Tyr Asn Pro
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148      Ala Glu Arg Ile Ser Ala Lys Ala Ala Leu Asp His Pro Tyr Phe Asp
149              290                      295                      300
150      Ser Leu Asp Lys Ser Gln Phe
151      305                      310
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154 <211> LENGTH: 948
155 <212> TYPE: DNA
156 <213> ORGANISM: Arabidopsis thaliana
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160      atcgttgctt tgaagaagac gcgtctccat gaggatgaag aaggtgttcc tcccactact      180
161      cttcgcgaga tctctatctt gcgtatgctc gctcgtgatc ctcacatcgt taggttgatg      240
162      gatgttaagc aaggaataaa caaagaagga aaaactgtac ttaccttgt tttcgagtat      300
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164      caaaatactg tcaagtgcct gatgtaccag ttatgcaaag gcatggcctt ttgccatggt      420
165      catggagtgt tgcacaggga tcttaagcct cacaatctct tgatggaccg gaagacaatg      480
166      acgctcaaaa tagcagatct tggattagcc agagccttca ctctcccaat gaaaaagtat      540
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168      tactctactg gagtggatat gtggtctggt ggctgtattt ttgctgaact agtgaccaag      660
169      caagcaatct ttgcgggaga ctctgagctc caacagctcc tccgtatatt caggttggtg      720
170      ggaacaccaa acgaagaagt ttggcctgga gtaagcaaac tcaaggactg gcatgaatac      780
171      ccgcaatgga aaccgttgag tctctccaca gctgtgccaa acctcgacga ggctggactt      840
172      gatctcttat ctaaaatgct ggagtacgag ccagcaaaac gaatctcagc aaagaaagct      900
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176 <211> LENGTH: 315
177 <212> TYPE: PRT
178 <213> ORGANISM: Arabidopsis thaliana
179 <400> SEQUENCE: 6
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181      1              5              10              15
182      Glu Lys Leu Glu Lys Val Gly Glu Gly Thr Tyr Gly Lys Val Tyr Arg
183      20              25              30
184      Ala Arg Glu Lys Ala Thr Gly Met Ile Val Ala Leu Lys Lys Thr Arg
185      35              40              45
186      Leu His Glu Asp Glu Glu Gly Val Pro Pro Thr Thr Leu Arg Glu Ile
187      50              55              60
188      Ser Ile Leu Arg Met Leu Ala Arg Asp Pro His Ile Val Arg Leu Met
189      65              70              75              80
190      Asp Val Lys Gln Gly Ile Asn Lys Glu Gly Lys Thr Val Leu Tyr Leu
191      85              90              95
192      Val Phe Glu Tyr Val Asp Thr Asp Leu Lys Lys Phe Ile Arg Ser Phe
193      100             105             110
194      Arg Gln Ala Gly Gln Asn Ile Pro Gln Asn Thr Val Lys Cys Leu Met
195      115             120             125
196      Tyr Gln Leu Cys Lys Gly Met Ala Phe Cys His Gly His Gly Val Leu

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197          130          135          140
198 His Arg Asp Leu Lys Pro His Asn Leu Leu Met Asp Arg Lys Thr Met
199 145          150          155          160
200 Thr Leu Lys Ile Ala Asp Leu Gly Leu Ala Arg Ala Phe Thr Leu Pro
201          165          170          175
202 Met Lys Lys Tyr Thr His Glu Ile Leu Thr Leu Trp Tyr Arg Ala Pro
203          180          185          190
204 Glu Val Leu Leu Gly Ala Thr His Tyr Ser Thr Gly Val Asp Met Trp
205          195          200          205
206 Ser Val Gly Cys Ile Phe Ala Glu Leu Val Thr Lys Gln Ala Ile Phe
207          210          215          220
208 Ala Gly Asp Ser Glu Leu Gln Gln Leu Leu Arg Ile Phe Arg Leu Leu
209          225          230          235          240
210 Gly Thr Pro Asn Glu Glu Val Trp Pro Gly Val Ser Lys Leu Lys Asp
211          245          250          255
212 Trp His Glu Tyr Pro Gln Trp Lys Pro Leu Ser Leu Ser Thr Ala Val
213          260          265          270
214 Pro Asn Leu Asp Glu Ala Gly Leu Asp Leu Leu Ser Lys Met Leu Glu
215          275          280          285
216 Tyr Glu Pro Ala Lys Arg Ile Ser Ala Lys Lys Ala Met Glu His Pro
217          290          295          300
218 Tyr Phe Asp Asp Leu Pro Asp Lys Ser Ser Leu
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222 <211> LENGTH: 1115
223 <212> TYPE: DNA
224 <213> ORGANISM: Oryza sativa
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228 ggggttaacc ctgatggagc agtacgagaa ggaggagaag attggggagg gcacgtacgg 180
229 ggtggtgtac agggcgcggg acaaggtcac caacgagacg atcgcgctca agaagatccg 240
230 gcttgagcag gaggatgagg gcgtccccctc caccgcaatc cgcgagatct cgctcctcaa 300
231 ggagatgcat cacggcaaca tcgtcaggtt acacgatgtt atccacagtg agaagcgcac 360
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234 ttactgtcat tctcatagag ttcttcacgc agatttgaaa cctcagaatt tattgataga 540
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237 tggatcaagg cagtattcta caccagttga tatgtggtca gttggttgta tctttgcaga 720
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RAW SEQUENCE LISTING ERROR SUMMARY  
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**VERIFICATION SUMMARY**

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PATENT APPLICATION: US/10/570,554

TIME: 12:18:41

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